



China High Purity 5n 99.999% Cylinder Gas Hf Hydrogen fluoride

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: CMC
- Certification: COA
- Model Number: Hf
- Minimum Order Quantity: 1kg
- Price: US \$15/kg
- Packaging Details: Cylinder/Tank
- Delivery Time: 15 days
- Payment Terms: L/C, T/T
- Supply Ability: 20000 Tons/Year

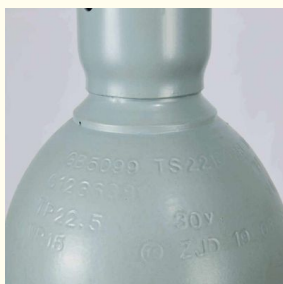


Product Specification

- Product Name: Hydrogen Fluoride
- Test Pressure: 22.5MPa
- Purity: 99.999%
- Working Pressure: 15MPa
- Transport Package: Sea Transportation
- Specification: 40L, 47L, 50L Etc
- Trademark: CMC
- Origin: China
- HS Code: 2812190091
- Supply Ability: 30000 Metric Ton Per Year
- CAS No.: 7664-39-3
- Formula: Hf
- EINECS: 7783-82-6
- Constituent: Industrial Pure Air
- Grade Standard: Electronic Grade



More Images



Product Description

Product Description

Hydrogen fluoride (HF) is a chemical compound composed of hydrogen (H) and fluorine (F) atoms. It is a highly corrosive and toxic substance.

Here are some key points about hydrogen fluoride:

Properties: Hydrogen fluoride is a colorless gas at room temperature, but it can also exist as a liquid or solid at lower temperatures. It has a boiling point of 19.5 degrees Celsius (67.1 degrees Fahrenheit) and a melting point of -83.6 degrees Celsius (-118.5 degrees Fahrenheit). HF is highly soluble in water, and the resulting solution is called hydrofluoric acid.

Production: Hydrogen fluoride is typically produced by the reaction of calcium fluoride (CaF₂) with sulfuric acid (H₂SO₄) in a process known as the "wet process" or "fluorosilicic acid process." The reaction releases hydrogen fluoride gas, which can be collected and further processed or used directly.

Uses: Hydrogen fluoride and hydrofluoric acid have various industrial applications:

Chemical Industry: HF is used as a precursor or catalyst in the production of a wide range of chemicals, including fluorocarbons, fluoropolymers, pharmaceuticals, and agricultural chemicals.

Etching and Cleaning: Hydrofluoric acid is highly corrosive and is used for etching or cleaning various materials, such as glass, ceramics, metals, and electronic components. It can remove oxides and contaminants from surfaces.

Petroleum Refining: HF is used in the petroleum industry for processes like alkylation, which involves the conversion of small hydrocarbon molecules into larger, more valuable ones.

Laboratories: Hydrofluoric acid is used in laboratories for various purposes, including analytical chemistry, glassware cleaning, and sample preparation.

Safety Considerations: Hydrogen fluoride and hydrofluoric acid are extremely hazardous substances. They can cause severe burns to the skin, eyes, and respiratory system upon contact. HF can penetrate the skin and cause deep tissue damage, even with low concentrations. Inhalation of HF vapor or fumes can be toxic, causing lung damage. Proper safety measures, including appropriate protective equipment, ventilation, and handling procedures, should be followed when working with hydrogen fluoride or hydrofluoric acid.

Due to the significant hazards associated with hydrogen fluoride, its use, storage, and disposal are subject to strict regulations and safety protocols to protect human health and the environment.

Basic Info.

Model No:	HF	Purity	99.95%%
Transport Package	ISO Tank/Cylinder Specification		ISO Tank/Cylinder
Appearance	CMC	Origin	Suzhou,China
HS Code	2812190091	Production Capacity	30000 Metric Ton Per Year

Specification:

Items	Details		
	A	B	C
Hydrofluoric Content ppm ≥	99.99	99.95	99.90
Moisture ppm≤	50	300	600
Fluorosilicic Acid ppm≤	30	100	200
Sulfur dioxide(SO ₂) ppm≤	20	70	150
Non-volatile Acid(H ₂ SO ₄) ppm≤	20	50	200
Non-volatile Acid(H ₂ SO ₄) ppm≤	20	50	200
As ppm ≤	5	10	

Detailed

Photos





Company Profile



Shanghai Kemike Chemical Co., Ltd is staffed by trained personnel, combine many years experience in Gas industry .We

supply cylinder gas, electronic gas, etc ., and the gas holder, panel, valves and fittings and other equipment, parts and engineering services to our customers in China and worldwide; The products are involved in various industrial fields, such as semiconductor chip, solar cell, LED, TFT-LCD, optical fiber, glass, laser, medicine , etc., Our mission is to partner with our global customers to provide support, solutions and quality products that are innovative, reliable, and safe. Our products mainly include: H₂, O₂, N₂, Ar, CO₂, propane, acetylene, helium, laser mixed gas, SiH₄, SiH₂Cl₂, SiHCl₃, SiCl₄, NH₃, CF₄, NF₃, SF₆, HCL, N₂O, doping mixed gas (TMB, PH₃, B₂H₆) and other electronic gases.



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